

09932223-100301

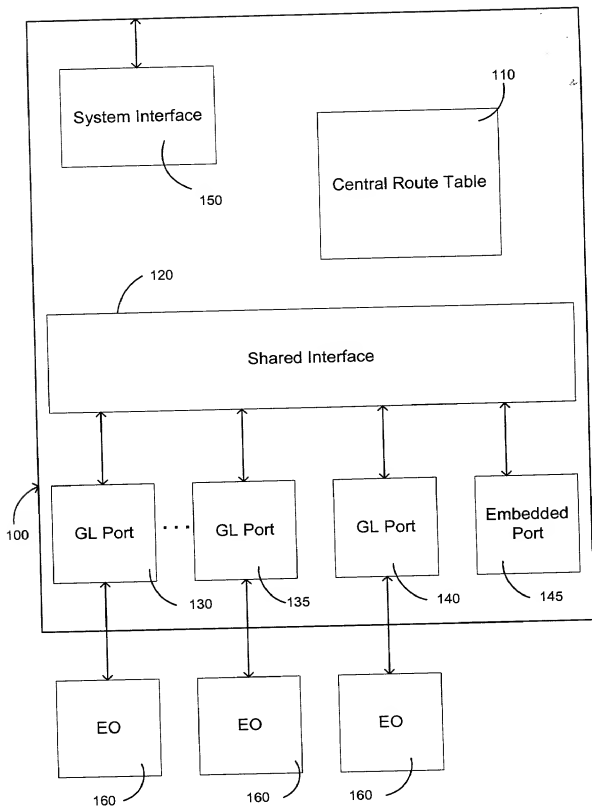


FIGURE 1

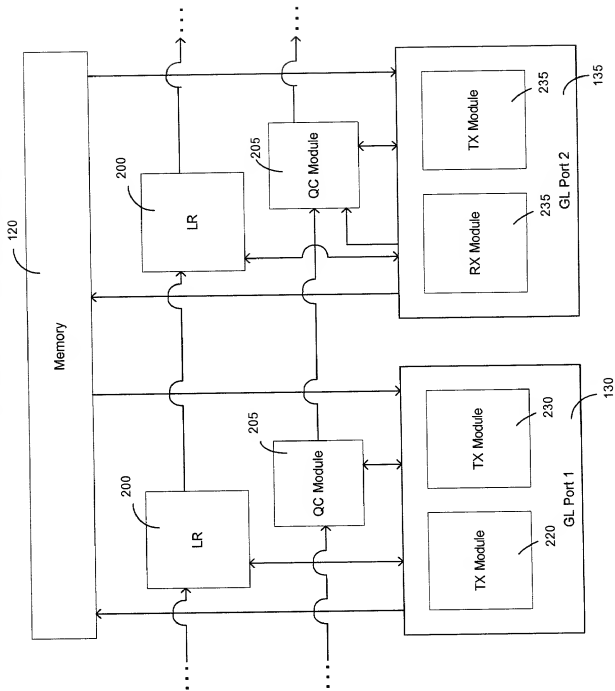


FIGURE 2

093223-100301

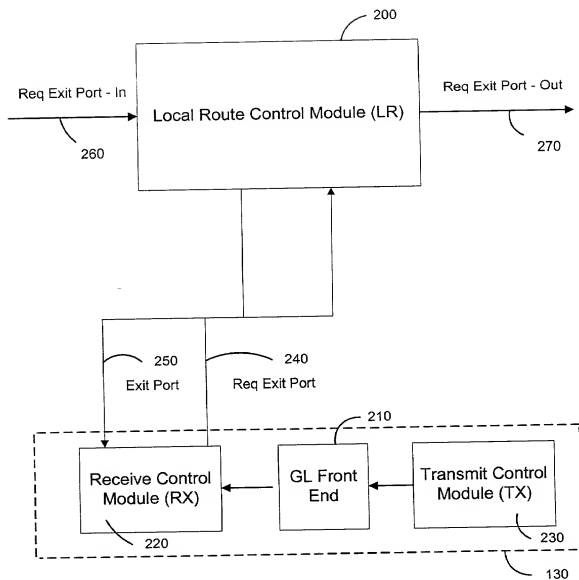


FIGURE 2A

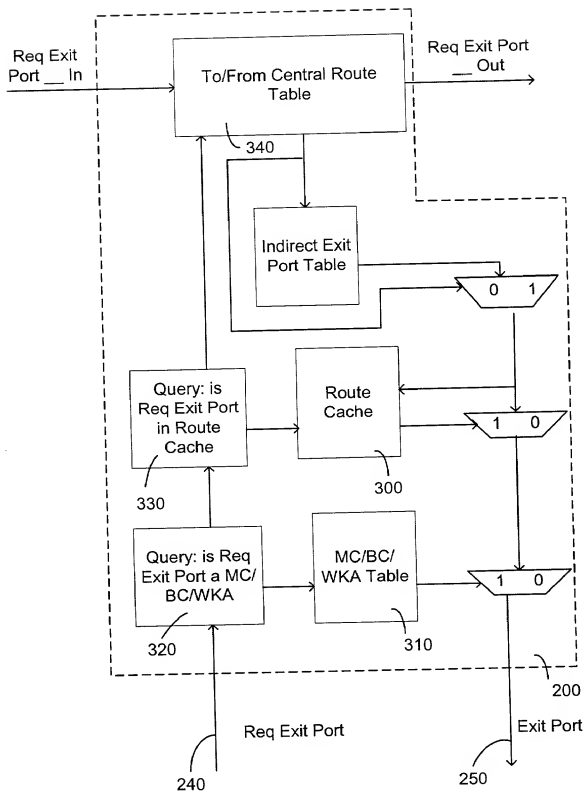


FIGURE 3

09932223-100301

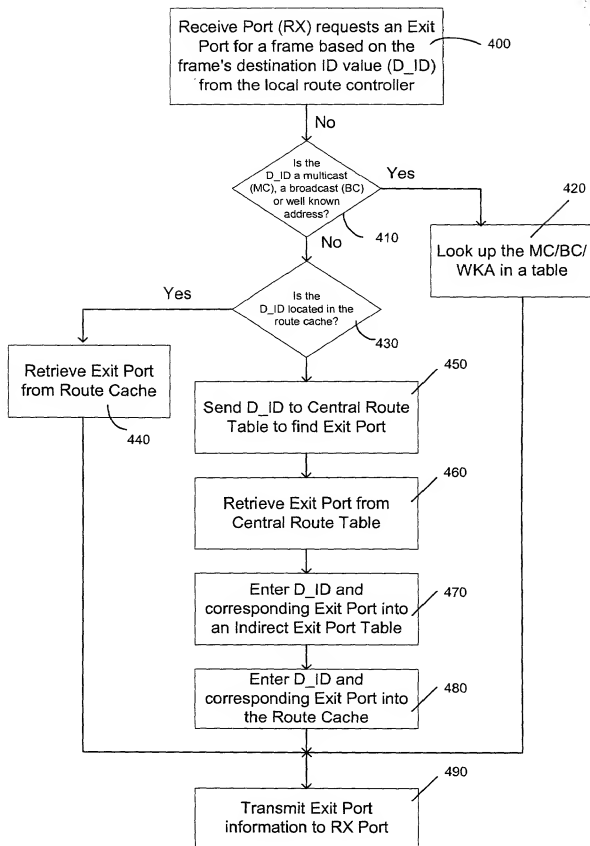


FIGURE 4

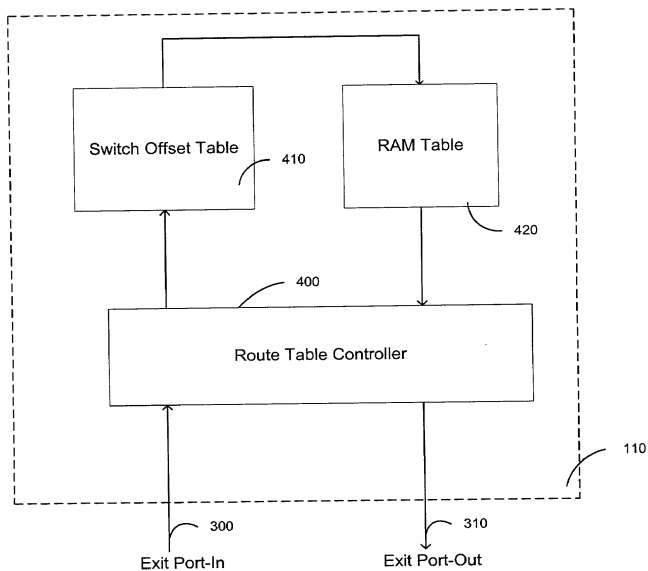


FIGURE 4A

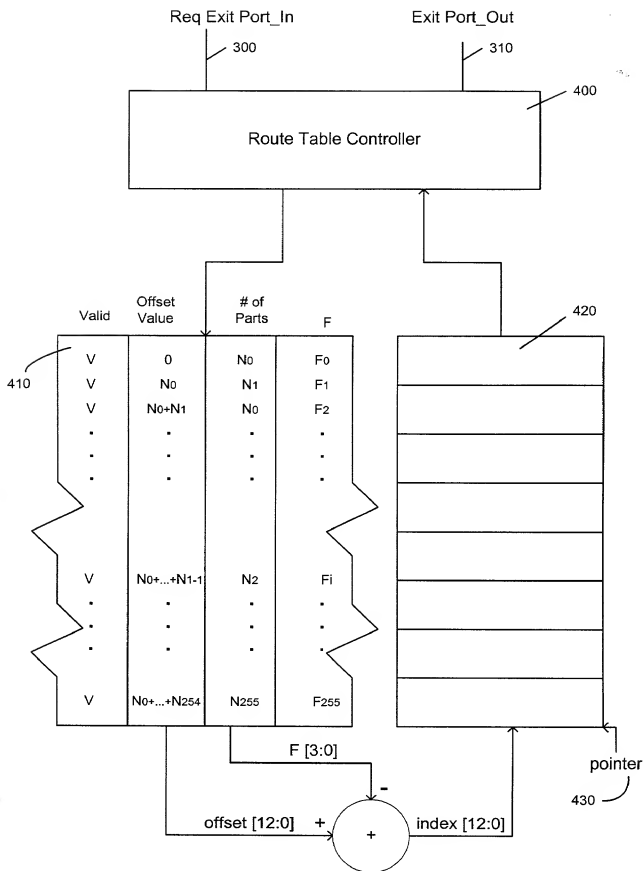


FIGURE 4B

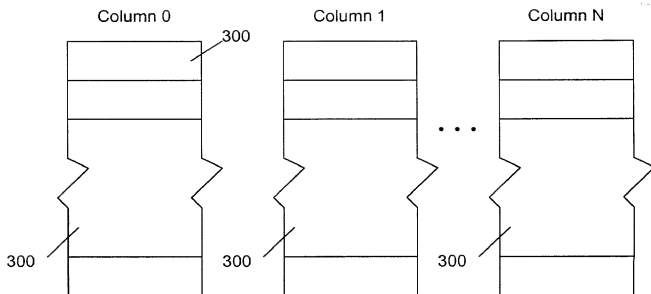


FIGURE 5A

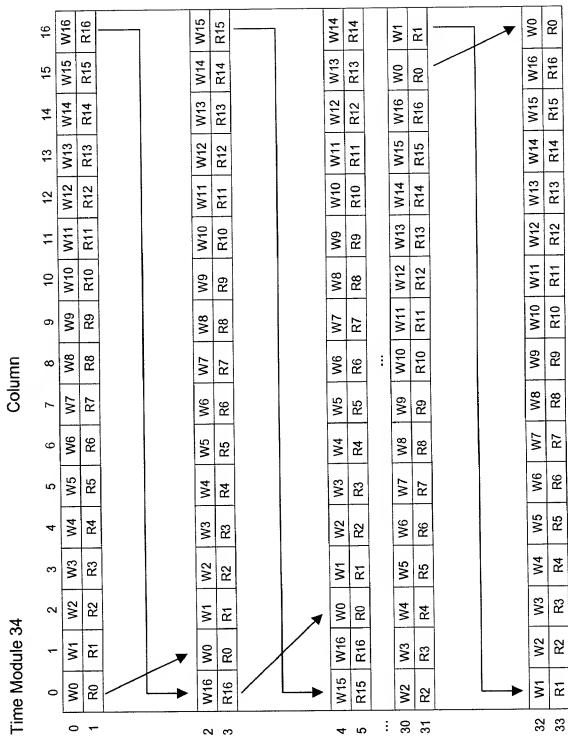


FIGURE 5B

10E001*E222E600

2GBps Write

Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0T	0								SOF	A	B	C	D	E	F	G	H	I
20T	0	J	K	L	M	N	O	P										
34T	1								Q	R	S	T	U	V	W	X	Y	Z
54T	1	CRC	EOF															

2GBps Read after 2GBps Write

Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1T	0								SOF	A	B	C	D	E	F	G	H	I
21T	0	J	K	L	M	N	O	P										
35T	1								Q	R	S	T	U	V	W	X	Y	Z
55T	1	CRC	EOF															

FIFO 0	FIFO 1
SOF	A
B	C
D	E
F	G
H	I
J	K
L	M
N	O
P	Q
R	S
T	U
V	W
X	Y
Z	CRC
EOF	

FIGURE 6

2GBps Write		Column																
Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0T	0								SOF	A	B	C	D	E	F	G	H	I
20T	0	J	K	L	M	N	O	P										
34T	1								Q	R	S	T	U	V	W	X	Y	Z
54T	1	CRC	EOF															

1GBps Read after 2GBps Write										Column									
Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1T	0								SOF	A	B	C	D	E	F	G	H	I	
21T	0	J	K	L	M	N	O	P											
35T																			
55T																			
69T	1								Q	R	S	T	U	V	W	X	Y	Z	
89T	1	CRC	EOF																

FIFO 0	FIFO 1
SOF	A
B	C
D	E
F	G
H	I
J	K
L	M
N	O
P	Q
R	S
T	U
V	W
X	Y
Z	CRC
EOF	

FIGURE 7

1GBps Write		Column																
Row	Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0	0T								SOF	—	A	—	B	—	C	—	D	—
0	20T	E	—	F	—	G	—	H	—	I	—	J	—	K	—	L	—	M
0	54T	—	N	—	O	—	P	—	—	—	—	—	—	—	—	—	—	—
1	68T	—	—	—	—	—	—	—	Q	—	R	—	S	—	T	—	U	—
1	88T	V	—	W	—	X	—	Y	—	Z	CRC	EOF						

2GBps Read after 1GBps Write										Column								
Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1T	0								SOF	I	A	J	B	K	C	L	D	M
21T	0	E	N	F	O	G	P	H										
35T	1								Q	Z	R	CRC	S	EOF	T		U	
55T	1	V	—	W	—	X	—	Y										

FIFO 0	FIFO 1
SOF	I
A	J
B	K
C	L
D	M
E	N
F	O
G	P
H	Q
I	R
J	S
ORC	T
EOF	U
—	V
—	W
—	X
—	Y

FIGURE 8

1GBps Write

1GBps Write										Column									
Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
0T	0								SOF	—	A	—	B	—	C	—	D	—	
20T	0	E	—	F	—	G	—	H	—	I	—	J	—	K	—	L	—	M	
54T	0	—	N	—	O	—	P	—											
68T	1								Q	—	R	—	S	—	T	—	U	—	
88T	1	V	—	W	—	X	—	Y	—	Z	CRC	EOF							

1GBps Read after 1GBps Write

1GBps Read after 1GBps Write										Column									
Time	Row	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1T	0								SOF	—	A	—	B	—	C	—	D	—	
21T	0	E	—	F	—	G	—	H	—	I	—	J	—	K	—	L	—	M	
35T	0	—	N	—	O	—	P	—											
55T	1								Q	—	R	—	S	—	T	—	U	—	
69T	1	V	—	W	—	X	—	Y	—	Z	CRC	EOF							

FIFO_0	FIFO_1
SOF	
A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	
M	
N	
O	
P	
Q	
R	
S	
T	
U	
V	
W	
X	
Y	
Z	
CRC	
EOF	

FIGURE 9

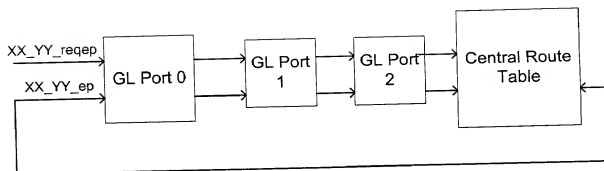


FIGURE 10